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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/781,379	02/18/2004	Tsuneo Yamagiri	1625-171 2764		
30448	7590 06/24/2004		EXAMINER NGUYEN, HOANG M		
	SENTERFITT				
P.O. BOX 3188 WEST PALM BEACH, FL 33402-3188		1100	ART UNIT	PAPER NUMBER	
WEST PALI	BEACH, FL 33402-31)100	3748		
			DATE MAILED: 06/24/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Applicatio	n No.	Applicant(s)		1/1
	10/781,37	9	YAMAGIRI ET AL.	V	U
Office Action Summary	Examiner		Art Unit		
	Hoang M N		3748		
The MAILING DATE of this communication Period for Reply	n appears on the	cover sheet with the c	orrespondence add	dress	
A SHORTENED STATUTORY PERIOD FOR RETHE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, - If NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by some and the period for reply will, by some period for reply will, by some period for reply will, by some period patent term adjustment. See 37 CFR 1.704(b).	DN. FR 1.136(a). In no ever n. a reply within the statu eriod will apply and will statute, cause the appli	nt, however, may a reply be tim tory minimum of thirty (30) day: I expire SIX (6) MONTHS from cation to become ABANDONE	nely filed s will be considered timely the mailing date of this co D (35 U.S.C. § 133).		
Status					
 1) Responsive to communication(s) filed on	This action is no owance except t	for formal matters, pro		merits is	
Disposition of Claims					
4) ⊠ Claim(s) <u>1-11</u> is/are pending in the application 4a) Of the above claim(s) is/are with 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) <u>1,3,4 and 7-11</u> is/are rejected. 7) ⊠ Claim(s) <u>2,5 and 6</u> is/are objected to. 8) □ Claim(s) are subject to restriction and	ndrawn from cor				
Application Papers					
9) The specification is objected to by the Exam 10) The drawing(s) filed on is/are: a) Applicant may not request that any objection to Replacement drawing sheet(s) including the continuous the output of the continuous the c	accepted or b)[the drawing(s) borrection is require	e held in abeyance. See ed if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CF	-	
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the application from the International Bu * See the attached detailed Office action for a	nents have beer nents have beer priority docume ureau (PCT Rule	n received. n received in Applicati nts have been receive e 17.2(a)).	ion No ed in this National	Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SE Paper No(s)/Mail Date 02/18/04.	B/08)	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate	⊦152) 	

Application/Control Number: 10/781,379

Art Unit: 3748

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 3-4, 7-9, 11, are rejected under 35 U.S.C. 102(b) as being anticipated by Japan 2001355513 (Urasawa et al).

Urasawa et al discloses a Stirling engine comprising a pair of flat springs 22, 23, mounts 28, screws for connecting the springs and the mounts together through connecting arms.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 10 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Japan 200155513 (Urasawa et al). Urasawa et al discloses all the claimed subject matter as set forth above in the rejection of claim 1, but does not disclose the hexagonal shape for the spacers. However, it would have been obvious at the time the invention was made to a person having ordinary skill in the art to change the shapes of the spacers (connecting arms) in Urasawa et al because changing the shape don't affect the performance of the spacers.

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Claims 2, 5-6, are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Qiu et al, Budliger, Penswick, and Beckett et al disclose Stirling engines having flat springs and connecting means.

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Examiner Nguyen whose telephone number is (703) 308-3477. The examiner can normally be reached on Monday--Thursday from 7:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Denion, can be reached on (703)-308-2623. The fax phone number for the Examiner is (703) 872-9302 for regular communication, and (703) 872-9303 for after final communication.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0861.

HOANG NGUYEN PRIMARY EXAMINER ART UNIT 3748

Hoang Minh Nguyen 6/22/04